AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1 (Currently amended). A pattern formation substrate on which a predetermined pattern is formed by ejecting a droplet to a targeted surface, said pattern formation substrate being characterized by-comprising:

a first region where a contact angle at which the droplet contacts the targeted surface is a first contact angle, said first region being formed on the targeted surface; and a second region on the targeted surface, the second region being adjacent to the first region;

the first region having a hydrophilicity that is less than that of the second region; the second region having at least two different widths

one or more second regions where the contact angle of the droplet is a second contact angle smaller than the first contact angle, said second region being formed on the targeted surface so as to be positioned adjacent to the first region, wherein

a surface of the second region is treated so that the droplet moves in a predetermined direction when the droplet is landed.

2 (Currently amended). The pattern formation substrate as set forth in claim 1, wherein: a first line width L_1 and a second line width L_2 are so adjusted as to satisfy an equation (1) below,

$$\begin{split} &L_1 > D \ / \ \{1 + 2 \ (\cos\theta_2 - \cos\theta_1)\} \\ &\text{and} \\ &\underline{L_2} < D \ / \ \{1 + 2 \ (\cos\theta_2 - \cos\theta_1)\}(1), \\ &\underline{L_2} > D \ / \ \{1 + 2 \ (\cos\theta_2 - \cos\theta_1)\}(1), \\ &\text{where:} \end{split}$$

the first line width L₁ is a width on a side, in the second region, toward which the droplet moves upon landing,

the second line width L_2 is a width on a side, in the second region, opposite to the side toward which the droplet moves,

Docket No.: 62940(70904)

 θ_1 is the <u>a</u> first contact angle <u>of when</u> the droplet <u>in contacts</u> the first region, θ_2 is the <u>a</u> second contact angle <u>of when</u> the droplet <u>in contacts</u> the second region, and

D is a diameter of the droplet.

3 (Currently amended). The pattern formation substrate as set forth in claim 4 10, wherein:

each of the contact angles is so adjusted as to satisfy an equation (2) below,

$$L \times \{1 + 2(\cos\theta_3 - \cos\theta_1)\} < D < L \times \{1 + 2(\cos\theta_2 - \cos\theta_1)\}......$$
 (2),

where:

 θ_1 is the <u>a</u> first contact angle of <u>when the droplet contacts</u> the first region-with respect to the droplet,

 θ_2 is the <u>a</u> second contact angle of <u>when the droplet contacts</u> the second region-with respect to one side of the droplet landed,

 θ_3 is a third contact angle of when the droplet contacts the second region-with respect to another side of the droplet,

a line width L is a width of the second region, and

D is a diameter of the droplet; and

a position of the droplet being landed is targeted so as to overlap the first region and two of the second regions.

4 (Currently amended). A method for forming a pattern, characterized by the method comprising the steps of:

_____forming a predetermined preparing a pattern formation substrate by ejecting a droplet to the pattern formation substrate as set forth in any one of claims 1 through 3 and 2; and

ejecting a droplet to a position overlapping the two different widths in the second region.

- 5 (Original). The method as set forth in claim 4, wherein a continuous pattern is formed by connecting a plurality of droplets adhering to a targeted surface in a scattering-manner.
- 6 (Original). The method as set forth in claim 4, wherein an inkjet head is used for ejecting the droplet.
- 7 (Original). The method as set forth in claim 4, wherein the first and the second regions are formed substantially in a flat shape.
- 8 (Original). The method as set forth in claim 4, wherein the droplet contains an electrically conductive particle.
- 9 (New). The method as set forth in claim 4, further comprising forming a wettability-modifiable layer on the substrate and irradiating the layer to form said first and second regions, wherein portions of the wettability-modifiable layer are not removed.
- 10 (New). A pattern formation substrate on which a predetermined pattern is formed by ejecting a droplet to a target surface, said pattern formation substrate comprising:
- a first region on the target surface; and
 a second region on the target surface and adjacent to the first region;
 the second region having at least a first sub-region and a second sub-region, and
 the first region having a hydrophilicity that is less than that of the second sub-region,
 and the second sub-region having a hydrophilicity that is less than that of the first subregion.
- 11 (New). A method for forming a pattern, the method comprising the steps of:

٠.

preparing a pattern formation substrate as set forth in any one of claims 3 and 10; and

7

ejecting a droplet to a position overlapping the first sub-region and the second sub-region.